

MYSORE CITY IMPROVEMENT TRUST BOARD.

ADVERTISEMENT.

Notice is hereby given that sealed tenders will be received at the office of the Trust Board Engineer, Mysore City Improvement Division, up to 2 P.M., on Monday the 18th of November 1912, for the supply of stoneware pipes and specials.

An approximate schedule of quantities required every year is given below. These quantities are not guaranteed. The supply of each year should be completed by the end of May of that year.

2. The detailed estimates and conditions may be obtained by application to the Trust Board Engineer on office days between the hours of 11 A.M. and 5 P.M.

3. Tenders should be submitted on printed forms, which may be obtained from the Trust Board Engineer. The tenders should be accompanied by a statement in a form similar to the form of schedule of quantities, showing the rates at which the different items specified will be executed. The rates quoted are to include delivery at the Board's Stores within a mile of the Railway Station, Mysore City.

4. Each tender must be accompanied by a deposit of Rs. 1,000 in cash or Government Promissory Notes as earnest money, and be superscribed "Tenders for supply of stoneware pipes and specials for the Mysore City Sewerage Scheme," in default of which, tenders will be rejected.

5. The final acceptance of any tender will rest with the Government who do not bind themselves to accept the lowest or any tender, or to assign any reason whatever for the rejection of any tender.

6. Within *eight days of the notice of the acceptance of the tender, the successful competitor will be required to execute the contract bond; in default of which, his tender will be considered cancelled, and his earnest money will be forfeited, and irrespective of the forfeiture of the aforesaid amount, he will be held liable for all damages, losses and expenses arising from, and by reason of such default.

7. The name of the successful competitor whose tender has been accepted, will be duly intimated by registered letter per post, and posted on the Notice Board in the Trust Board Engineer's office in due course. No enquiries regarding the acceptance or rejection of a tender will receive any reply.

8. On acceptance of one of the tenders, the earnest money on rejected tenders will be returned within a week of such acceptance. No claim will be admitted for any error in rates quoted, that may be discovered after the tender is received.

9. It must be definitely understood that the rates quoted in the tender, include everything required to be done, by the conditions of the contract and specification, and also such work as is necessary, to the proper completion of the contract, although special mention thereof, may have been omitted in the specification.

The successful tenderer will have to bear all stamp charges, etc., on the contract.

10. The pipes and specials must of English make but alternative tenders for Indian pipes of Jubbulpore make and of German pipe also might be submitted if they conform to the Trust Board specifications.

*Specification for stoneware pipes, bends, junctions and specials required for the
Sewerage Schemes of the Mysore City.*

Stoneware pipes, bends, junctions, traps and other works included in this contract, should be of the very best quality, material, manufacture, and workmanship, and to the satisfaction of the Trust Board Engineer, Mysore City Improvements.

The material of the pipes, etc., should be stoneware and they should be manufactured of the more refractory clays, free from lime or its compounds, burnt and vetrified throughout their substance.

They should be salt-glazed, and free from flaws, air-holes, blisters, cracks, or any other defects.

A section when broken off, should show a dense close grain, with a somewhat metallic appearance, characteristic of the best stoneware, and should be free, from internal contractions, cracks, or laminations. Pipes of earthenware or fire clay, will, on no account, be accepted, neither will lead-glazed pipes; all pipes should be smooth, internally and externally, and perfectly salt-glazed.

The pipes should be perfectly sound, true in shape and in calibre, and of uniform thickness. A cross section of the pipe should be circular and the ends square to the axis, straight pipes being straight, and bends true segment of a circle.

Shape.

* In the case of firms in England or in Germany one month.

Data required of pipes to be supplied.		The following data should accompany tenders—
Internal diameter in inches	Length of barrel inside exclusive of socket in inches	Thickness of barrel in inches
Thickness of socket	Depth of socket in inches	Width of cement space in socket joint

The socket should be concentric, with the barrel of the pipe internally, and should be made with the pipe in one operation in one mould. The Socket and spigot ends. spigot ends should be lightly grooved on their surface externally, to the length to which they enter the sockets, which they should enter to the full depth without chipping.

The thickness of the shell of bends, junctions and special pipes, should be the same as of straight pipes of the same specified internal diameter.

Samples of pipes, junctions, bends, traps, etc., should be forwarded with dimensioned detail drawings of the same, before supply, and if approved by the Trust Board Engineer, they shall become the standards of quality, form, and finish for the whole supply of the contract.

Samples of pipes, etc., if approved, to become standards of quality for the whole supply of the contract.

Pipes liable to be tested.

Pipes, bends and specials will be tested for :—

1. *Strength*.—(1) They should be able to bear an internal pressure of 25 lbs. per square inch, without fracture, and (2) should be able to bear without fracture, a weight of 800 lbs. per foot, length, excluding the socket, applied by a lever, or other means, to the centre of a flat board of hard wood, laid over a layer of felt on top of the pipe, a similar layer of felt and board, being placed at the bottom of the barrel of the pipe.
2. *Soundness and freedom from cracks*.—They should be tested by sounding them by light hammers, or subjecting them to water pressure.
3. *Imperviousness to water*.—A piece about 2 inches square, broken off from any part of the pipe, should not after 24 hours' immersion in water, absorb more than 3 per cent of its own weight of water.

All straight pipes should allow of a circular plug of wood, $\frac{3}{8}$ inch less in diameter than the nominal diameter of the pipe, and 12 inches long, to pass freely through them. A disc of wood about $1\frac{1}{2}$ inches in thickness, $\frac{3}{8}$ inch less in diameter than the internal nominal diameter of the socket, should easily fit the socket. All pipes not conforming to this test will be rejected.

Trueness of shape.

All tests with regard to the requirements of this specification, will be conducted by the Trust Board Engineer, or his agent, in presence of the contractor or his accredited agent only after delivery, by the contractor of the pipes and specials, at the Depot selected by the Board, which should not be more than a mile from the Railway Station.

Tests.

The contractor shall provide, without extra charge, all tools, labour and means of every kind, which the Trust Board Engineer may consider necessary, and shall pay all costs attendant on any tests and examinations, which the Trust Board Engineer or his agent shall require to be made.

Contractor to provide means of requirements for testing.

The contractor shall bear all costs, and take entire responsibility of all risks, in packing and transit, loading and unloading with regard to the pipes, supply of which has been contracted for, till their delivery at the stores of the Board, the contractor shall also be responsible for damages in the stores till delivery is taken.

Contractor to take all risks till pipes are delivered at the stores of the Board.

No work shall be considered as delivered until the contractor obtains a written certificate from the Trust Board Engineer or his agent, that the work has been inspected, tested, and approved by him.

No claim for payment will be considered, till accompanied by the aforesaid certificate.

The Trust Board Engineer subject to the revision only of the Board and of the Chief Engineer, Public Works Department, Mysore, shall be the deciding authority on all matters relating to the work, incidents, meaning and consequence of the specification, and schedules of quantities of the work, and of the general conditions of the contract; and his certificates in writing shall be binding on the contractor and on the Board.

Traps and specials must be of stoneware salt-glazed, the best of their kind and of pattern and shape, approved by the Trust Board Engineer. Dimensioned drawings, as also samples of these, should accompany tenders.

Traps and specials.

The prices quoted in tender, to include all costs of marking, protection or preservation of pipes, etc., supplied, of templates and gauges for testing and of samples, and any claim whatsoever, that may arise from manufacture, conveyance and delivery of the work.

Prices named in tender.

The work contracted for shall, on no account, be sublet, without the approval of the Board in writing, and in the event of a breach of this clause, the Board will be competent to cancel the contract.

Sub-letting the contract.

On completion of the contract, a final certificate will be obtained, from the Trust Board Engineer, who shall be competent to adjust in the final bill of the contractor, any claims allowed *ad interim* by mistake, or oversight by him or his agent.

Final certificate.

Statement showing the probable quantity of Glazed Stoneware Pipes required, the supply to be spread over 7 years for the Sewerage Scheme of Mysore City.

No.	Items of work	Per	For 1912 and 1913			1913 and 1914			1914 and 1915	1915 and 1916	1916 and 1917	1917 and 1918	1918 and 1919	Total
			No. III Drainage Area, Part II	Outfall sewer	Linking-up present outfall	No. IV Drainage Area	No. V Drainage Area	Port Drainage Area	No. I Drainage Area	No. II Drainage Area	No. III Drainage Area, Part I	Nazarbad Drainage Area	Ittigegud Drainage Area	
1.	Glazed stoneware pipes 7 inches in diameter.	R. ft.	42,000	500	7,000	123,000	4,500	8,000	80,000	112,000	34,000	30,000	15,000	453,000
2.	Glazed stoneware pipes 9 inches in diameter.	"	300	1,000	5,200	...	...	...	...	...	...	1,500	...	8,000
3.	Glazed stoneware pipes 12 inches in diameter.	"	100	540	...	160	...	...	...	...	...	...	...	800
4.	Glazed stoneware single and double junction pipes 4 inches and 6 inches.	"	...	...	...	18	...	48	...	...	...	...	...	66
5.	Glazed stoneware single and double junction pipes 4 inches and 7 inches.	"	3,000	...	...	9,000	2,000	...	4,000	8,000	2,000	2,000	1,000	31,000
6.	Glazed stoneware single and double junction pipes 4 inches and 9 inches.	"	24	...	...	...	...	6	...	194	...	18	...	242
7.	Glazed stoneware single and double junction pipes 4 inches and 12 inches.	"	56	...	...	94	...	...	...	...	...	...	...	150
8.	Glazed stoneware single and double junction pipes 4 inches and 15 inches.	"	...	...	...	84	...	...	...	...	...	...	...	84
9.	Glazed stoneware pipes 4 inches in diameter.	"	20,000	...	...	40,000	10,000	2,000	20,000	40,000	10,000	10,000	5,000	157,000
10.	Glazed stoneware pipes 1 bend 4 inches in diameter.	No.	800	...	...	2,000	500	100	1,000	2,000	500	500	300	7,700
11.	Glazed stoneware Gully Trap pipes 4 inches in diameter.	"	800	...	...	2,000	500	100	1,000	2,000	500	500	300	7,700

Y. ASVATHANARAYANA RAO,
Trust Board Engineer.

MYSORE CITY IMPROVEMENT TRUST BOARD.

FORM.

I hereby tender, for the execution of all works necessary, for the supply and delivery of salt glazed stoneware pipes and specials, for the Mysore City Sewerage Scheme, at the rates entered opposite to each item, mentioned in the accompanying schedule, and in accordance with the other documents, comprised in the contract. The value of work to be done monthly to be not less than Rs.....

I further agree to execute a contract bond, in the form, that may be prescribed by the Board, with the sanction of Government, within the time specified, and to be bound by the terms of the notice and of the specification and of the contract, and in default, to bear all losses, expenses, penalties, etc., therein referred to.

If my tender be accepted, I guarantee to commence the supply and delivery of pipes, specials, etc., at the Board's Store, Mysore, within _____ weeks and to complete the delivery of the pipes, specials, etc., referred to in the contract and papers relating thereto within _____ weeks from the date on which the acceptance of my tender is communicated to me.

As witness my hand this _____ day of _____ 1912.

Tenderer